

PTO/SB/01A (10-00).

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	APPARATUS AND METHOD EMPLOYING BI-DIRECTIONAL CONVERTER FOR CHARGING AND/OR SUPPLYING POWER			
As the below named inventor(s), I/we declare that: This declaration is directed to:				
☐ The attach	ed application, or			
=	No. 10/622,845, filed on July 18, 2003,			
	nded on (if applicable);			
-	m/are the original and first inventor(s) of	of the subject	matter which is claimed and for	
	I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;			
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.				
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.				
FULL NAME OF INVEN	ITOR(S)			
Inventor one: Bing	Cheng	Citizen of:	US	
Signature:	sing Chry	Date:	× 10/23/03	
Inventor two: Feng	tai Huang	Citizen of:	Canada	
Signature: X	De Just	Date:	Oct 23, 2003	
Inventor three:		Citizen of:		
Signature:		Date:		
Inventor four:		Citizen of:		
Signature:		Date:		
Additional inventors are being named on additional form(s) attached hereto.				

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 130209.492

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PTO/SB/96 (08-00)

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STATEMENT UNDER 37 CFR 3.73(b)				
Applicant/Patent Owner: Bing Cheng	g et al.			
Application No./Patent No.: 10/622,845	Filed/Issue Date: July 18, 2003			
	HOD EMPLOYING BI-DIRECTIONAL CONVERTER			
FOR CHARGING AND/OR SUP	PLYING POWER			
Ballard Power Systems Corporation (Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)			
states that it is:				
1. X the assignee of the entire right, title	, and interest; or			
2. an assignee of an undivided part in	terest			
in the patent application/patent identified	above by virtue of either:			
	of the patent application/patent identified above. e United States Patent and Trademark Office at which a copy thereof is attached.			
B. A chain of title from the inventor(s), current assignee as shown below:	of the patent application/patent identified above, to the			
1. From:	To:			
	ne United States Patent and Trademark Office at for which a copy thereof is attached			
Additional documents in the chair	n of title are listed on a supplemental sheet.			
[NOTE: A separate copy (i.e., the original assig submitted to Assignment Division in accordance of the USPTO. See MPEP 302.8]	documents in the chain of title are attached. nment document or a true copy of the original document) must be with 37 CFR Part 3, if the assignment is to be recorded in the records			
The undersigned (whose titles are supplied	below) are authorized to act on behalf of the assignee.			
October 28, 2003 Date	Noordin S.K. Nanji			
Date	Signature Corporate Secretary Title			
X 10 24 03 Date	Typed or printed name X Signature Vice-Pr sident, Product Development			
	Title			

ASSIGNMENT

WHEREAS, we, Bing Cheng and Fengtai Huang (hereinafter referred to as ASSIGNORS), having mailing addresses of 5073 Forestdale Drive, West Bloomfield, Michigan 48322, and 526 Rodfam Drive, Windsor, Ontario, Canada N9G 2W1, respectively, are the joint inventors of an invention entitled "APPARATUS AND METHOD EMPLOYING BI-DIRECTIONAL CONVERTER FOR CHARGING AND/OR SUPPLYING POWER," as described and claimed in the specification for which an application for United States letters patent was filed on July 18, 2003, and assigned Application No. 10/622,845; which application claims the benefit of U.S. Provisional Application No. 60/397,469, filed July 19, 2002;

WHEREAS, Ballard Power Systems Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 15001 Commerce Drive North, Dearborn, Michigan 48120, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Y 10/23/03	X Bin Chy
Date	Bing Cheng
State of Michipan	SS.
County of / Wayne	

I certify that I know or have satisfactory evidence that Bing Cheng is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated October 23, 2003

Signature of Notary Public Elbert N. Taylor

My appointment expires July 09, 2004

ELBERT N. TAYLOR NOTARY PUBLIC WAYNE CO., MI MY COMMISSION EXPIRES JUI 9, 2004

Oct 23, 200	} ×	. Thereof
Date	Fe	engtai Huang
State of Michigan		
County of X Wayne) ss)	
person who appeared befor	e me, and said per	satisfactory evidence that Fengtai Huang is the rson acknowledged that he signed this instrument ary act for the uses and purposes mentioned in the
and the second	Dated	October 23, 2003
	Signature of Notary Public _	Ellet 1. Try
	Printed Name _	Elbert N. Taylor
	My appointment	expires July 09, 2004
C:\NrPortb\\iManage\ANGIEL\416670_1 (130209.492)	.DOC	ELBERT N. TAYLOR NOTARY PUBLIC WAYNE CO., MI BY COMMISSION EXPIRES JUI 9, 2004

EXPRESS MAIL NO. EV336599023US

PTO/SB/81 (10-00)
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ELECTION AND POWER OF **ATTORNEY OR AUTHORIZATION OF AGENT**

Applicati n Number	10/622,845
Filing Date	July 18, 2003
First Named Inv_ntor	Bing Cheng
Group Art Unit	
Examiner Name	
Attorney Docket Number	130209.492

I hereby appoint:			*0050	0*	
☑ Practitioners at Seed IP Law Group			0050		
OR			UUSU	J	
Practitioner(s) named below:			PATENT TRADEMAR	KOFFICE	
Name		Registration Number			
as my/our attorney(s) or agent(s) to prosecute the app Trademark Office connected therewith.	lication identifie	d above, and to	transact all business	in the Patent and	
Please change the correspondence address for the above-identified application to: [] The above-mentioned Customer Number. OR					
Firm <i>or</i> Individual Name					
Address					
Address	<u>-</u>				
City	State		ZIP	4 -	
Country					
Telephone	Fax				
I am the:					
Applicant/Inventor.					
Assignee of record of the entire interest. See 37 (Statement under 37 CFR 3.73(b) is enclosed. (F		3)			
X As assignee of record of the entire interest we her		•	.71, to prosecute the	application to the	
exclusion of the inventor.					
SIGNATURE of Applicant or Assignee of Record					
Name Noordin S.K. Nanji - Corporate Secretar	ry				
Signature					
Date October 28, 2003	October 28, 2003				
Name Fred Flett - Vice-President, Product Development					
Signature X Fred Fred					
Date X 10/24/03					
NOTE: Signatures of all the inv ntors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.					
X *Total of 1 forms are submitted.					

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